

**- Specification Sheet -****AMINA SOIL**

**AMINA-SOIL** is an organic fertilizer totally water soluble. It is produced by the hydrolysis of natural plant proteins. This production process guarantees the conservation of the necessary amino acids and a high rate of organic nitrogen (>16%).

**PROPERTIES AND USES:**

- ✓ Organic nitrogen fertilizer for applications in the soil.
- ✓ Recovery biostimulant after periods of intense stress caused by biotic and climatic factors due to the high rate of the contained amino acids.
- ✓ Stimulator for the improvement of the qualitative and the quantitative characteristics of the crop.
- ✓ Micronutrient chelating agent (Fe, Zn, Mn, Cu) since amino acids improve the uptake of metal micronutrients by the roots of the plants.
- ✓ Food source for the soil beneficial micro organisms.
- ✓ Increases the yield and the quality of crops.
- ✓ Provides nitrogen readily available to the plants.
- ✓ Fortifies plants resistance against stress.
- ✓ Accelerates the biochemical processes that take place inside the plant (photosynthesis, sugars formation).
- ✓ Promotes fruit growth.

**APPLICATION:**

**AMINA-SOIL** can be applied by fertigation through the irrigation/fertigation system according to the following application rates:

Application Rate: Generally it is applied at the following application rate.

*Soil application:* 5-15 kg/ha

**STANDARD ANALYSIS**

	<b>(w/w)</b>
Nitrogen (N)	6.00 %
AMINO ACIDS	=45.0%
Aspartic acid	3.50 %
Threonine	3.39 %
Serine	5.19 %
Glutaminic acid	8.62 %
Glycine	2.12 %
Alanine	2.16 %
Kysteine	1.57 %
Valine	2.68 %

Methionine	0.62 %
Isoleucine	0.96 %
Leucine	2.18 %
Tyrosine	1.81 %
Phenylalanine	1.57 %
Lysine	1.56 %
Histidine	0.48 %
Tryptophan	0.06 %
Arginine	4.44 %
Proline	3.39 %

**PHYSICAL PROPERTIES:**

Appearance:	Dark yellow powder
Density:	-
Solubility:	100% water soluble
pH:	6.0